Contents of Soil and Tillage Research, Volume 37

Vol. 37 No. 1	ırii 1996
Publisher's Note	. 1
Tillage and crop rotation effects on soil organic C and N in a coarse-textured Typic Haploboroll is southwestern Saskatchewan	n
C.A. Campbell, B.G. McConkey, R.P. Zentner, F. Selles and D. Curtin (Swift Current, Sask	**
Canada)	. 3
Structure and pedofeatures of Guanajuato (Mexico) Vertisol under different cropping systems	
K. Oleschko, J.D. Etchevers Barra and A.R. Hernandez Carretera (Montecillo, Mexico)	. 15
Compaction effects of rubber or metal-tracked tractor passes on agricultural soils	
A. Marsili and P. Servadio (Rome, Italy)	. 37
Prediction of agricultural implement draft using an instrumented analog tillage tool	
J.L. Glancey (Newark, DE, USA), S.K. Upadhyaya, W.J. Chancellor and J.W. Rumsey (Davis, CA	
USA)	. 47
Short Communication	
Soil bulk density, penetration resistance, and hydraulic conductivity under controlled traffic condition	
P.W. Unger (Bushland, TX, USA)	. 67
Guide for Authors	. 77
Vol. 37 Nos. 2,3	une 1996
Ant burrow effects on water flow and soil hydraulic properties of Sparta sand	
D. Wang (Riverside, CA, USA), B. Lowery, J.M. Norman and K. McSweeney (Madison, W	1,
USA)	. 83
Economic evaluation of topsoil loss in spring wheat production in the northern Great Plains, USA	
J.R. Williams (Manhattan, KS, USA) and D.L. Tanaka (Mandan, ND, USA)	. 95
The influence of crop rotation on soil structure and soil physical properties under conventional tillag	ge
K.Y. Chan (Rydalmere, N.S.W., Australia) and D.P. Heenan (Wagga Wagga, N.S.W., Australia) .	. 113
Influence of dryland agricultural management practices on the acidification of a soil profile	
M.K. Conyers, D.P. Heenan, G.J. Poile, B.R. Cullis and K.R. Helyar (Wagga Wagga, NSV	
Australia)	. 127
Axle load and tillage effects on crop yields on a Mollic Ochraqualf in Northwest Ohio	
R. Lal (Columbus, OH, USA)	
An assessment of the vulnerability of soil structure to destabilisation during tillage. Part I. A laborator	ry
test	
C.W. Watts, A.R. Dexter (Bedford, UK), E. Dumitru (Bucarest, Romania) and J. Arvidsso	
(Uppsala, Sweden)	
An assessment of the vulnerability of soil structure to destabilisation during tillage. Part II. Field tria C.W. Watts, A.R. Dexter and D.J. Longstaff (Bedford, UK)	
C.W. Walls, A.R. Lexier and D.J. Longstan (Bedford, UK)	. 175

A comparison between a rotavator and conventional tillage equipment for wheat-soybean rotations on a vertisol in Central India	
	191
Book Reviews	
Soil compaction in crop production	201
Information technology	207
Soil fertility of tropical soils	208
Vol. 37 No. 4 July 19	996
Persistence of soil compaction due to high axle load traffic. I. Short-term effects on the properties of clay and organic soils	
L. Alakukku (Jokioinen, Finland)	211
Persistence of soil compaction due to high axle load traffic. II. Long-term effects on the properties of fine-textured and organic soils	
L. Alakukku (Jokioinen, Finland)	223
Tillage and amendment effects on soil carbon and nitrogen mineralization and phosphorus release	239
W.L. Kingery (Mississippi State, MS, USA), C.W. Wood and J.C. Williams (Auburn, AL, USA)	239
the state of the s	251
The costs of alternative methods of managing 'set-aside' land within the European Community I.F. Shield, R.J. Godwin and D.L.O. Smith (Bedford, UK)	273
Author Index	289
Contents of Soil and Tillage Research, Volume 37	291

